

Page 1

277 TATGCTCAAAAGAAATTAAATTTTCATCAGATGCCCGTTCCAGCCATGGTTGCTGATGTCGA 338

Oy	74	TATGTACCAATCCGCTAAAGTACGCTGGCTCTCAAGAGCGCAATGTTGTTCTTA	133
Db	337	TATCCGTSCAGACACTGTTAAAGTADACTTGGSACCAAAAGCTGCCAATGCTGTTCTTA	396
Oy	134	AAACACTGTTGGTCTCCCTTAATTACTAATGCGGGTAACTGCTAAAGATATCA	193
Db	397	AAAGTCATCGGTTCAACCTTTCATTACCAATACGGTGTACATATGGCAAGAAATCGA	456
Oy	194	ATTAAATATCTTTGGAAAACATGGGAGCAAAATTGGTGTCTGAAGTGGCTTTAAAC	253
Db	457	ATTGAAACCATTTTGGAAATATGGGTGGTAAAGTATATCAAGAAATGAGCTCTTAAAC	516
Oy	254	CATATATTTGCTGTGATGGAGCAGCTACTGCAACAGTTTGTGACACAGCCATTTGTTCA	313
Db	517	CATATATTTGCCAGGGAGCGCAACCTACGATATCAACACTCTTACGCCAACGATATGCGCG	576
Oy	314	TGAAGACTAAAAATGTACAGCAGCGGTCTAATCAATTGGTATCGCTGCAGCATTTGA	373
Db	577	TGAAGACTAAAAAGTACAGCAGCGGTGAATATCAATGCTATTCGTCTGGGATTTGA	636
Oy	374	AACACACAGCAACAGCTGTTGAAGCCTTGAACCCATTGTCTCAACCTGATGTGGCAA	433
Db	637	AACACACATTTGCCGACAGCTTGAAGCTTTGAAAAACAGCCATCCCTGTTGCCAATA	696
Oy	434	GGAACTATTGCTCAGGTGGCTGAGATATACAGCTCTGAAAAAGTTGGAGATAT	493
Db	697	AAGAACTATGCTCTCAAGTTGACGCCGATATCTTCTGTCTGAAAAAGTTGGTGAAT	756
Oy	494	CTCAACACTATGAGACCGTGGGGCAGACGATGGTGTGATTACATGAAGAAATGAGG	553
Db	757	CTCTGAACATGAAAAAGTTGGCAAGCGTGTATCATCCATGTAAGATACGCTGG	816
Oy	554	TATGAAACAGACTGAAGTGGTGAAGCAATGGATATTTGACCGGTCTACCGTCTCA	613
Db	817	TATGAAACAGACTGGAAGTCTGAGAGAAATGCAAGTTTGACCGTGTACTTCTTACA	876
Oy	614	ATACATGTCACAGCAATGAAAAAAGTGTGACAGCTTGAACCCATTATCTTAAT	673
Db	877	GTACATGTGACAGATAGCGAAAAATGTGGCTACCTGTGAANAATCGTACATTATGAT	936
Oy	674	CACGATTA AAAAGTGTCAAAACATCCACAGCACTTTGGCACTCTTGAGGAATCTTAA	733
Db	937	TACACACAGAAATTTCCATATCCACAGAAATCTTGCACTTTGGAAAGCATCTTCCA	996
Oy	734	AACCAACCGTCAATCTACTATATTATGCAATGATGGATGGATGGTGAAGCACTTCCACCT	793
Db	997	AAGCAATGTGCCACTCTTGATTAATATGGGATATGATGGATGGAGAGCTTCCACACTCT	1056
Oy	794	TGCTCTGACAGATATCGTGTACTTCTATGCTATGGTGTCTCAAAAGCCAGGATTTGG	853
Db	1057	TGTTTGTGAACAAATTCGCGAACCTTCAACCTATAGCAGTCAAGGCAACCTGGTTTGG	1116
Oy	854	TGATGTCGTAAAGTATGCTGTGAAGCAATTCCTATCTTACAGGTGTACAGTATAC	913
Db	1117	TGACCGTCGCAAGCCATGCTTGAAGATATCCCATCTTAAACGGGGACAGTATAC	1176
Oy	914	AAGAGATCTAGCACTGAATTAAGAGTCTCAATGACATGACAGCCCTTGGACAGGCTCTAA	973
Db	1177	ACAGAGCTTGGTGTGATTTGAAGATGCGACATTTGAAGCTTTGGTCTCAAGACGAG	1236
Oy	974	GATTCACGTTGAAGAAATAGCAAGATATTTGAAGTGTGAGAACTACAGACTAT	1033
Db	1237	ACTGACGCTGGCAAAAGTATACACGCTTATTTGAAGGTGCGAAGAAATCTTGAGAGAT	1296
Oy	1034	TGCTTACCGATATGCACTGATTAATACGAATTTAGAAACAACTTCTGACTTTGACG	1093
Db	1297	TTCTTACCGTGTGGGTTATCAAGTCTCAAAATCTACAACTCTCGAATTTGACCG	1356
Oy	1094	TGAAAACTCAAGAACGTTTGGCGAAATTTAGCTGTGGTGTAGCTGTTATCAAGATAG	1153
Db	1357	TGAAAAATCTCAAGAACGTTTGGCGAAATTTGCAAGGTGGTGTAGCGGTTATTAAGGTTGG	1416
Oy	1154	AGCTCCACAGACAGCTTTAAAAAGAAATGAAACTTGCATTTGAGGATGCTCTTAATCG	1213

Db 1417 ACCGCAACGAAATGAGTGTGAAAGAAATGAAATCCGATTTGAAGTGCCTCAAGC 1476

1214 TACACGTCGACGCCGTTGAAAGAGTATCGTGTGGTGGAGACAGACTATTACGT 1273

1477 TATCTGTGACGCGTTGAAGAGATTGTGTTCGACAGTGGTGGACACGCTTCCCAATG 1536

1274 TATTGAAGAAGTGAAGAGCTCTGAGCGTTGAGGGCGATGATGCTACTGAGCTAACATTGT 1333

1537 GATTCCAGCGTGTGCTACCTTGATGATTCAGACAGATGATGACCAAGAGAGATATATGT 1586

1334 GCTTCGTGCTCTGAAAGAGCCTGTACGTCAATTCCTTTAAATGCTGGTACAGAGCTC 1393

1597 TCTCCGCGCTTTGGAGAGACCCGTTGCTTAATATGTCACAAATGACGAGATTTAAGATC 1656

1394 CGTAGTTATGCAAGATTGAAAAAACGCCCTGCAGAGACAGATTTAATGCTGCACAGC 1453

1657 TATGCTATATGATCGTTTGAAAAATCTGCAGACTGGTATATGAGATTTAAACCAACATCG 1716

1454 TGAGTGGCTGTATGATTTAAACACAGATCATTTGACCCCTGTCAAGATACAGATCAGC 1513

1717 CGAGTGGGTATACATGATGATGATCAAGATATCATTTGATGATCAAGATTAAGTGTTCAGC 1776

1514 GCTTCAAAATGACAGCTTCTGATGCTAGCTAGCTTATTTTGAACAGAGACGATTTGGCTAA 1573

1777 CCTCAAAATGACAGCATCTCTGACCGACGCTGATTTTGAACAGAGACGATCTGACCA 1836

1574 TTAACCTGAACAGCATGACCCAGCGACGACGAATCCAGCAGATATGATGCTCAAGATAT 1633

1837 TAAACGAGAACCGATGAGCCCACTCTCAGCAATGATCCAAAGCATGATGGGGGGATAT 1896

1634 G 1634

1897 G 1897

RESULT 2

US-09-134-001C-1868

Sequence 1868 Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC

FILE REFERENCE: GTC-007

CURRENT APPLICATION NUMBER: US/09/134,001C

PRIOR FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 1868

LENGTH: 1623

TYPE: DNA

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-1868

Query Match 44.3% Score 735.6; DB 4; Length 1623;

Best Local Similarity 66.7%; P-adj. No 3.6e-207;

Matches 1050; Conservative 0; Mismatches 524; Indels 0; Gaps 0;

Db 1417 ACCGCAACGAAATGAGTGTGAAAGAAATGAAATCCGATTTGAAGTGCCTCAAGC 1476

1214 TACACGTCGACGCCGTTGAAAGAGTATCGTGTGGTGGAGACAGACTATTACGT 1273

1477 TATCTGTGACGCGTTGAAGAGATTGTGTTCGACAGTGGTGGACACGCTTCCCAATG 1536

1274 TATTGAAGAAGTGAAGAGCTCTGAGCGTTGAGGGCGATGATGCTACTGAGCTAACATTGT 1333

1537 GATTCCAGCGTGTGCTACCTTGATGATTCAGACAGATGATGACCAAGAGAGATATATGT 1586

1334 GCTTCGTGCTCTGAAAGAGCCTGTACGTCAATTCCTTTAAATGCTGGTACAGAGCTC 1393

1597 TCTCCGCGCTTTGGAGAGACCCGTTGCTTAATATGTCACAAATGACGAGATTTAAGATC 1656

1394 CGTAGTTATGCAAGATTGAAAAAACGCCCTGCAGAGACAGATTTAATGCTGCACAGC 1453

1657 TATGCTATATGATCGTTTGAAAAATCTGCAGACTGGTATATGAGATTTAAACCAACATCG 1716

1454 TGAGTGGCTGTATGATTTAAACACAGATCATTTGACCCCTGTCAAGATACAGATCAGC 1513

1717 CGAGTGGGTATACATGATGATGATCAAGATATCATTTGATGATCAAGATTAAGTGTTCAGC 1776

1514 GCTTCAAAATGACAGCTTCTGATGCTAGCTAGCTTATTTTGAACAGAGACGATTTGGCTAA 1573

1777 CCTCAAAATGACAGCATCTCTGACCGACGCTGATTTTGAACAGAGACGATCTGACCA 1836

1574 TTAACCTGAACAGCATGACCCAGCGACGACGAATCCAGCAGATATGATGCTCAAGATAT 1633

1837 TAAACGAGAACCGATGAGCCCACTCTCAGCAATGATCCAAAGCATGATGGGGGGATAT 1896

1634 G 1634

1897 G 1897

Db 123 TAAAGATTTGACACACACCTTTAATTATACACAGATGATGATCAATTTCTTAAGAAATGGA 182

Db 134 AAAGCTTTGGTTCTCCCTTAATTACTAATGAGAGGGGTACACATTTCTTAAGAGATGGA 193

Db 74 TATGTTAGCAGATACCGTCAAGAGTACACCTTGGTCTTAAAGGGCGACATGTTGTTCTTGA 133

63 TAAATTTAGCAACGCGTGAAGAGTTACATTTGAGACCTTAAAGGGCGAAATGTGGTTCTTGA 122

Db 14 TATGCGAAAGAAATCAAAATTTTCAGACGATGCGCGCTGCTGCTCATGCTGCGCGAGGTGA 73

3 TATGCGAAAGAGCTTAATATTTCTGAAGATGCGCGTCAAGCATGTTACGTGGTGTGA 62

Db 74 TATGTTAGCAGATACCGTCAAGAGTACACCTTGGTCTTAAAGGGCGACATGTTGTTCTTGA 133

63 TAAATTTAGCAACGCGTGAAGAGTTACATTTGAGACCTTAAAGGGCGAAATGTGGTTCTTGA 122

Db 134 AAAGCTTTGGTTCTCCCTTAATTACTAATGAGAGGGGTACACATTTCTTAAGAGATGGA 193

Db 123 TAAAGATTTGACACACACCTTTAATTATACACAGATGATGATCAATTTCTTAAGAAATGGA 182


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Db 307 GGTCTGAACGCTGTTGCTGGGGGATGAACCCGATGACCTGTAACGTTGATCGACAA 366
Qy 378 GCACACACACAGCTGTGTAAGCCTTGAAGCCTTGTCAACCTGTATCTGGCAGAA 437
Db 367 GCGGTTCACCCCTGCGATGTAAGAAACGCGCTCCGTCACATGCTGTGACTTAA 426
Qy 438 GCTATTGCTAGGTCGTCGAGTATCATACGCTC---TGAAAAAGTGAAGATATG 494
Db 427 GCGATTCTCAGGTGTGACCATCTCCGTAACTCCGAGAAACCGTATAGTAACTGATC 486
Qy 495 TCAGAACCTATGAGCCTGTGGGCAACGATGTGTGTTACATCAAGAAATCTGAGAGT 554
Db 487 GCTAACCACTGAGAACGTCGTTAAAGAGCCTTATCAACGTTGAAAGCGGTACCGGT 546
Qy 555 ATGAAACAGAACTTGAAGTGTGAAGCATTTGACCGTGTGTTACTGCTCA 614
Db 547 CTGAGAGACGAACTGAGGTGTGAAGTGTGAGAGTGTGACCGTGTGCTGCTCT 606
Qy 615 TACATGCTACAGACATGAAATAATGTTGACAGCCTTGAAGCCATTTATCTTAATC 674
Db 607 TACTTCATCAACACCGGTAACCTGCGCAATGCTCCGTTCTGGAAGCTGTGCGCAA 666
Qy 675 ACGGATAAAAAGTGTCAACATCCAGACATTTTCCACTACTTGAAGAACTTCTTAA 734
Db 667 GCTACAGAAATAATCTCCACATCCGCAATGCTCCGTTCTGGAAGCTGTGCGCAA 726
Qy 735 ACGAACCGTCACTTACTTATTTAGATGATGATGATGATGATGATGATGATGATGAT 794
Db 727 GCACGCAACCGCTGCTGATCATCGTGAATGTGAAGGCAAGCGCTGCGCACTGCT 786
Qy 795 GCTGTGAACAGATTCGTGTAATGTTCAATGTTGTTGCTGCTGCTGCTGCTGCTGCT 854
Db 787 GTTGTTCATCAACATTCGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 846
Qy 855 GATGCTGTAAGATTCGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 914
Db 847 GATGCTGTAAGATTCGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 906
Qy 915 GAGGATCTGAGCTTGAATTAAGATCTCAATGATGATGATGATGATGATGATGATGAT 974
Db 907 GAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 966
Qy 975 ATTACAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1034
Db 967 GTTGTATCAACACCGGTAACCTGCGCAATGCTCCGTTCTGGAAGCTGTGCGCAA 1026
Qy 1035 GCTACAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1094
Db 1027 CAGGCGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1086
Qy 1095 GAAAACTCAAGAACTGTTGGGCAATTAAGTGTGATGATGATGATGATGATGATGATGAT 1154
Db 1087 GAAAACTCAAGAACTGTTGGGCAATTAAGTGTGATGATGATGATGATGATGATGATGAT 1146
Qy 1155 GCTCAACAGAGACGTTTAAAGAAATGAATCTGATGATGATGATGATGATGATGATGAT 1214
Db 1147 GCTCAACAGAGACGTTTAAAGAAATGAATCTGATGATGATGATGATGATGATGATGAT 1206
Qy 1215 ACACGTCGACCGTTGAAGAGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1274
Db 1207 ACCGTCGTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1266
Qy 1275 ATTGAAAGTAGAGCTCTTGAAGTGTGAAGGATGATGATGATGATGATGATGATGATGAT 1331
Db 1267 GCGCTTAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1326
Qy 1332 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1391
Db 1337 GCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1386
Qy 1392 TCGGTAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1451
Db 1387 TCTGTTGTTGCTAACACCGTTAAAGCGGAGCGAGCACTACGTTTAAACAGCAAC 1446

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Qy 1452 GGTGAGTGGGTGATGATGATTAAGACGATCATGATGATGATGATGATGATGATGATGAT 1511
Db 1447 GAGAGATACGCAACATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1506
Qy 1512 GCGCTTCAAAATGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1571
Db 1507 GCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1566
Qy 1572 AATTAACCTAAGACCTGACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1620
Db 1567 GACCTGCGGAAAAACGATGACGATGATGATGATGATGATGATGATGATGATGATGATGAT 1615

RESULT 4
US-09-472-971-7
: Sequence 7, Application US/09472971
: Patent No. 6197547
: GENERAL INFORMATION:
: APPLICANT: SODO, Kazuo
: APPLICANT: YANAGI, Hideki
: APPLICANT: YURA, Takashi
: TITLE OF INVENTION: TRIGGER FACTOR EXPRESSION PLASMIDS
: FILE REFERENCE: 1422-409P
: CURRENT APPLICATION NUMBER: US/09/472,971
: EARLIER FILING DATE: 1998-12-28
: NUMBER OF SEQ ID NOS: 7
: SOFTWARE: Patent Ver. 2.1
: SEQ ID NO 7
: LENGTH: 4524
: TYPE: DNA
: ORGANISM: Escherichia coli
US-09-472-971-7

Query Match 35.5%; Score 589.8; DB 4; Length 4524;
Best Local Similarity 61.3%; Pred. No. 6,7e-164;
Matches 986; Conservative 0; Mismatches 617; Indels 6; Gaps 2;

Qy 18 GCAAAAGAAATCAATTTTACAGAGATGCGGCTGCTCCATGATGCGGCGGATGATG 77
Db 389 GCTAAAGACCTAAATTCGTAACGACGCTGTGTGAATATGCTGCGGCGGATTAACGTA 448
Qy 78 TTACGATATACGTAAGTAAGCTGCTGCTTAAAGGCGCAATGTTCTTGAATAA 137
Db 449 CTGGCAATACGATGAAAGTATACCTGCTGCTCAAAAGCGCTTACGATGTTCTGATANA 508
Qy 138 GCTTTCGCTTCCCTTAATTAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 197
Db 509 TCTTTCGCTGACCACTACCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 568
Qy 198 GAAATATTTGAAACATGAGCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 257
Db 569 GAAATATTTGAAACATGAGCAAAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 628
Qy 258 GATATTCGCTGATGAGGAGCTACTGCAACAGTTTTCACAAAGCCATGTTCTATGAA 317
Db 629 GACCTCTCAGGCGAGGATGACCACTGCAACCGTACTGCTCAGCTATCATCATGTA 688
Qy 318 GCACTAATAAATGATGACAGAGTGTATCAATGATGATGATGATGATGATGATGATGATGATGAT 377
Db 689 GATCTGAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 748
Qy 378 GCAACACAAACGCTGTGAAGCTTGAAGCAATGCTCAACCTGATCTGCAAGAA 437
Db 749 GCGGTTCACGCTGCAAGTGAAGAAAGCGTGTGCGTCAATGCTGCTGCTGCTGCTGCTGCT 808
Qy 438 GCTATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 494
Db 809 GCGATTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 868
Qy 495 TCAGAACCTATGAGACGCTGTGGCAACGATGATGATGATGATGATGATGATGATGATGATGATGAT 554

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[illegible]

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Db      1949  GACCTGCCGAAAAACGATCAGCTAGCTTAGGCGCTGCTGCCGCTATGCG 1997

RESULT 5
US-09-221-017B-895/C
: Sequence 895 Application US/09221017B
: Patent No 6444789
:
GENERAL INFORMATION:
: APPLICANT: Ross, Bruce C.
: TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
: NUMBER OF SEQUENCES: 1120
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: MORRISON & FOERSTER
: STREET: 755 PAGE MILL ROAD
: CITY: Palo Alto
: STATE: CA
: COUNTRY: USA
: ZIP: 94304-1018
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: Windows
: SOFTWARE: FASTSEQ for Windows Version 2.0b
:
CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/221,017B
: FILING DATE: 23-DEC-1998
:
CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1182
: FILING DATE: 31-DEC-1997
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP1546
: FILING DATE: 30-JAN-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PP2911
: FILING DATE: 09-APR-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: PCT/AU98/01023
: FILING DATE: 10-DEC-1998
: ATTORNEY/AGENT INFORMATION:
: NAME: Morroy, Gladys H
: REGISTRATION NUMBER: 32,430
: REFERENCE/DOCKET NUMBER: 27340-20021.00
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 650-813-5600
: TELEFAX: 650-494-0792
: TELEX: 706141
:
INFORMATION FOR SEQ ID NO: 895:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2416 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: circular
: MOLECULE TYPE: DNA (genomic)
: HYPOTHETICAL: NO
: ANTI-SENSE: UNKNOWN
: ORIGINAL SOURCE:
: ORGANISM: PORPHYROMONAS GINGIVALIS
:
FEATURE:
: NAME/KEY: misc_feature
: LOCATION: 1..2416
:
US-09-221-017B-895

Query Match      32.8%      Score 544.4; DB 4; Length 2416;
Best Local Similarity 55.35; Pctd No. 1.2e-150;
Matches 961; Conservative 0; Mismatches 646; Indels 9; Gaps

OY      14  TATGGCAAGAAGATCAATTTTCAGCAGATCGCGTGCATGCCAGTGTGCGCGAGATTGA 73
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      1929  TATGGCAAAAAGAAATCAATTCGATATGGAATCTCGGACACTTCTGAAGAAGGCCGTAGA 1870
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
      74  TATGTTAGCGAGATACCGTCAAGTACAGCTGTGTCCTAAAGGCCCAATGTGTTCTTGA 13

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Db 1869 TGCACTGCGAAATCCGTTAAAGTACCCTCGGGCCGAAGGCTGTATGTTATCTTAA 1810
Oy 134 AAAAGTTTGGTCTCCCTTAATTAATGACGGGGTAACATTGTTAAAGATCGA 193
Db 1809 CAAGAGTACGACCTCCGACATTAACCAAGAGCGGTGAGCGTGAAGAGATAGA 1750
Oy 194 ATTAGAAGATCATTTTAAAGATGAGGCAAAATTTGTCTGGAAGGCTGTAAAG 253
Db 1749 ATTGAGAGTCCGTTGAGACATGGGTGCGCCAGTTGGTGAAGAAAGTACGCTCAAGAC 1690
Oy 254 CATGATATTCGTGTATGGAGACACTGACACTGACAACTTTTGACAAAGCATTTGCA 313
Db 1689 CATGACATCCGCTGACGACGACACTGACACTGACACTGACACTGACACTGACACTGAC 1630
Oy 314 TGAAGACTAAAAAATGTACAGCAGCTGCTAATCCATTGCTATCCGTCAGACATTA 373
Db 1629 CGTGGGTCTGAGAAAGCTTACGCGAGAGCAATCCGATGATTTAAACCGGTGATCGA 1570
Oy 374 AACGCAACAGCAACAGCTGTGAAGCCTTGAAGCCATTTCTCAACCTGATCTGGCAA 433
Db 1569 CAAGGCTTAAAGGCTGTGTAACTACATTCAGATTCAGATTCAGATTCAGATTCAGATTC 1510
Oy 434 GGAAGCTATTGCTGAGTGTGCTGACATATCAGCTC-----TGAAAAAGTTGGAGA 487
Db 1509 CTTCAGAAAGTTCAGACAGTACGACGATCTCTCCGAAGAGAGAGAAACATCGGTAG 1450
Oy 488 GTATATCTCAGAACTATGAGACGCTGTGGCAACAGATGCTGATTAATCAGAAATC 547
Db 1449 CCTCATCTCCGAAACCATCGCAAGGTGAAGAAAGAGCGCTTATCAGCGTGAAGAGAG 1390
Oy 548 TCAGATGTGAAGAAAGAACTGAAGTGTGAAGGCTGATTAATGACCTGATGCTGATGCTG 607
Db 1389 CAAGGAAACGCACTACGCTGAGAGAGTGTGAAGATGATGATGATGATGATGATGATGATG 1330
Oy 608 GTCTCATATCATGTGTACAGACATGAAAAATGCTTACAGACCTTGAAGAACCTATTAT 667
Db 1329 CTCTCCCTACTGTGATGACAGACGATGATGATGATGATGATGATGATGATGATGATGAT 1270
Oy 668 CTATACAGGATTAAGAGTGTCAACATCAACATTTTCCACTACTTGTGAAGAGT 727
Db 1269 CCTCATCTACAGCAAGAAATTCGCTCGAAGAAAGTGTGCTCCCATCTCGAAGAAAC 1210
Oy 728 TCTTAAACCAACGCTTACTACTTATTTATGATGATGATGATGATGATGATGATGATGATG 787
Db 1209 GATTGAGAGGGGAGAGCCCTCTCATCATTCATTCATTCATTCATTCATTCATTCATTCAT 1150
Oy 788 AACCTTGTCTTGAACAGATTCGTTACTTCAATGTTGTTGTTGTTGTTGTTGTTGTTGTTG 847
Db 1149 CACCTTGTGTGAACCGTCTCGGGGACCTCAAGATTCGTGACAGTGAAGGCTCCCG 1090
Oy 848 ATTGGTATGCTGTAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 907
Db 1089 ATTGCGCATGTGTCAGAGGATGATGATGATGATGATGATGATGATGATGATGATGATG 1030
Oy 908 GATTACAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 967
Db 1029 TATCGAGCAAGAGCGGTGAGAGTGTGAAGATTCATGATGATGATGATGATGATGATGATG 970
Oy 968 TGCTAAGATTACAGATTGAAGATGACACAGATTTTGAAGTTGAGAGTTCAGAGTTCAG 1027
Db 969 TGAGAAATTAACGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 910
Oy 1028 AGCTATGCTAACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1087
Db 909 AGGCAATCCCTTCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 850
Oy 1088 TGACGCTGAAAGAACTAAGAAAGCTTTGGGAAATTAATGATGATGATGATGATGATGATG 1147
Db 849 CGACGCGAAAGCTGCAAGAACTTTGCGCAAGCTCCCGCGGCTGATGATGATGATGATGATG 790
Oy 1148 AGTAGAGCTGCAAGAGAGCTTTAAAGAAATGAAATTCGATGATGATGATGATGATGATG 1207
Db 789 CGTGGGTCTCCAGCAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 730

Oy 1208 AATGCTACAGCTGACCGCTTGAAGAGATGATGATGATGATGATGATGATGATGATGATG 1327
Db 729 GATGCAAGCGCTGCTCATGAGAGAGTACAGTACCGGTGCGGTACGCGCATTA 1327
Oy 1268 TAGGCTTATTAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 610
Db 669 TCGTGCATAGCTGTTTGAAGCTTCAGAGGTCGAGAGAGAGAGAGAGAGAGAGAGAGAG 610
Oy 1328 C---ATTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1384
Db 609 CGAGATGCGAAAGCGCATGAGAGAGCGCTTCCGTCAGATGCTGACGAGAGAGAGAGAGAG 550
Oy 1385 CGAAGGCTCGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1444
Db 549 AGAGGCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 490
Oy 1445 TGCAAGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1504
Db 489 CCGTACGATGTTTTCGAAACCTCTACACGCTGATGATGATGATGATGATGATGATGATG 430
Oy 1505 ACGATGAGCGCTTCAAAATGACGCTTCTGATGATGATGATGATGATGATGATGATGATG 1564
Db 429 ACGTGTAGATGGAAGAAATGACGCTATGCTGAGATGATGATGATGATGATGATGATG 370
Oy 1565 TGTGCTATTAACCTGACACGCTACAGCGAGCGGAGCAATGCGAGAGATGATGATG 1620
Db 369 TATGCTGACAAAGAAAGATATATCTGCGGACCGGACATCGCGAGATGATGATG 314

RESULT 6
US-08-470-260-7
Sequence 7, Application US/08470260
Patent No. 6077706
GENERAL INFORMATION:
APPLICANT: Covacci, Antonello
APPLICANT: Bugnoli, Massimo
APPLICANT: Telford, John
APPLICANT: Macchia, Giovanni
APPLICANT: Rappuoli, Rino
TITLE OF INVENTION: Helicobacter Pylori Proteins Useful
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chilton Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: California
COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/470, 260
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/256, 848
FILING DATE: 21-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0316, 001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-2708
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1838 base pairs
TYPE: nucleic acid

Wed Apr 16 08:05:36 2003

us-09-001-737-7.rn1

Page 7

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-470-260-7

Query Match 31.8% Score 528.6; DB 3; Length 1838;
Best Local Similarity 58.9%; P-Value 4.7e-116;
Matches 966; Conservative 0; Mismatches 664; Indels 9; Gaps 3;

QY 13 ATATGGCAAAAGAAATCAATTTTACAGAGATCCGCTGCTCCATAGTGGCGGAGTTG 72
DB 56 AATGGCAAAAGAAATCAATTTTACAGAGATCCGCTGCTCCATAGTGGCGGAGTTG 115
QY 73 ATATGTAGCAGATACCGTCAAGTAAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 132
DB 116 GGCACATCAGATGAGCTGTCAAGATACATGAGGAGCAAGAGCAGAGATGATTGATCC 175
QY 133 AAAAGCTTTGGTCTCCCTTAATTAATGATGAGGAGTACCATGCTGCTGCTGCTGCTG 192
DB 176 AAAAGCTTTGGTCTCCCTTAATTAATGATGAGGAGTACCATGCTGCTGCTGCTGCTG 235
QY 193 AATGGAAGATCAATTTGAAACATGAGGAGCAATTTGCTGCTGCTGCTGCTGCTGCTG 252
DB 236 AATGGAAGATCAATTTGAAACATGAGGAGCAATTTGCTGCTGCTGCTGCTGCTGCTG 295
QY 253 CCAATGATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 312
DB 296 CCGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 355
QY 313 ATGAGGACATTAATAATGAGACAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 372
DB 356 AAGAGGCTTTGAGGAAATATACGCGCTGGGCTTAACTTGAAGTGAAGAGGAGCTG 415
QY 373 AAGAGGCTTTGAGGAAATATACGCGCTGGGCTTAACTTGAAGTGAAGAGGAGCTG 432
DB 416 AAGAGGCTTTGAGGAAATATACGCGCTGGGCTTAACTTGAAGTGAAGAGGAGCTG 475
QY 433 AAGAGGCTTTGAGGAAATATACGCGCTGGGCTTAACTTGAAGTGAAGAGGAGCTG 489
DB 476 AAGAGGCTTTGAGGAAATATACGCGCTGGGCTTAACTTGAAGTGAAGAGGAGCTG 535
QY 490 ATATCTAGAGCTATGAGAGGCTGAGTATCATCAAGCTC---TGAAAAGTGGAGAT 549
DB 536 TCATCGTGAAGCTATGAGAGGCTGAGTATCATCAAGCTC---TGAAAAGTGGAGAT 595
QY 550 GAGGATGCAAAACAGACTTGAAGGCTGAGGATGCAATTTGACAGGCTGCTGCTGCTG 609
DB 596 AGGCAATGGAAGATGATGCTGAGGAGGCTGAGGATGCAATTTGACAGGCTGCTGCTG 655
QY 610 CTCATACATGCTACAGACATGAAAATGCTGAGAGCTTGAAGAGGCTGCTGCTGCTG 669
DB 656 CCGCTTTTGTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTG 715
QY 670 TATACAGGATTAATAATGCTCAAAATGCTCAAAAGCTTGGCCTGCTGCTGCTGCTG 729
DB 716 TTTTACGATTAATAATGCTCAAAATGCTCAAAAGCTTGGCCTGCTGCTGCTGCTGCTG 775
QY 730 TTAACCAACCGCTCATTAATGCTGAGATGAGTGAAGGCTGAGGAGGCTGAGGAGGCT 789
DB 776 TGAAGAGGCAAAACCGCTTTTAAATGCTGAGGAGGCTGAGGAGGCTGAGGAGGCT 835
QY 790 CCGTGTCTTGAAGAGATGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCT 849
DB 836 CTCAGTGTGTAATAATGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGG 895
QY 850 TTGATGATGCTGTAAGCTATGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCT 909
DB 896 TTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 955
QY 910 TTACAGAGATCTAGGACTGAATTAAGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCT 969
DB 956 TTACGCAAGATTTGGCTTGAAGTGAAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGG 1015

QY 970 CTAGATTTAGCTGATTAAGATGACAGATTAATTTGAGGCTGAGGAGGCTGAGGAG 1029
DB 1016 GAGGATTTGATTAAGATGACAGATTAATTTGAGGCTGAGGAGGCTGAGGAGGCTGAG 1075
QY 1030 CTATTTGATACCGTATTTGATGATTAATTTGAGGCTGAGGAGGCTGAGGAGGCT 1089
DB 1076 ATGTTAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1135
QY 1090 ACCGTGAAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1149
DB 1136 ACAAGGAAATTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1195
QY 1150 TAGAGCTGCAAGAGAGAGGCTTAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1209
DB 1196 TGAGGCTGCAAGAGAGGCTTAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1255
QY 1210 ATGCTACAGCTGAGGCTTGAAGAGGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1269
DB 1256 GCGGAGCTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1315
QY 1270 CGGTTATTGAAGAGGAGGCTTGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1329
DB 1316 GCGGAGCTCAAAAGT---GCAATTTGAATTTGAGGAGGAGGAGGAGGAGGAGGAG 1372
QY 1330 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1389
DB 1373 TCATCATGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1432
QY 1390 GCTCCGATTAATTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1449
DB 1433 GCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1492
QY 1450 CAGGATGAGGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1509
DB 1493 ATGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1552
QY 1510 CAGGCTCAAAATGAGGCTGCTGAGGAGGCTGCTGAGGAGGCTGCTGAGGAGGCT 1569
DB 1553 TCCTCTCAAAATGAGGCTGCTGAGGAGGCTGCTGAGGAGGCTGCTGAGGAGGCT 1610
QY 1570 CTATTAACCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCTGAGGAGGCT 1629
DB 1611 -GCATTAATCAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1669
QY 1630 TGATGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1688
DB 1670 GTATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG

RESULT 7
US-08-471-491-7
Sequence 7 Application US/08471491B
Patent No. 6090611
GENERAL INFORMATION:
APPLICANT: Covacci, Antonello
APPLICANT: Bugnoli, Massimo
APPLICANT: Telford, John
APPLICANT: Macchia, Giovanni
APPLICANT: Rappelli, Rino
TITLE OF INVENTION: Helicobacter Pylori Proteins Useful For Vaccines And
FILE REFERENCE: CHIR004
CURRENT APPLICATION NUMBER: US/08/471.491B
CURRENT FILING DATE: 1995-06-06
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 7
LENGTH: 1838
TYPE: DNA
ORGANISM: Helicobacter pylori
US-08-471-491-7
Query Match 31.8% Score 528.6; DB 3; Length 1838;

[illegible]

Db 1076 ATGTTAAAGACAGAGTCCGCGAGATCAAAAACCCAAATTCGACGTACGCAACGAGATTATG 1135

Qy 1090 ACCGCGAAAACACAAAGACGTTTGGCAATTAATAGTGTGTGTAGCTGTTATCAAG 1149

Db 1136 ACAAAGAAAATTCGCAAGAAAGATGCTTAACACTCTCTGGCGGTGTGCTGTATTAAG 1195

Qy 1150 TATGAGCTCCACACAGACAGCTTTAAAGAAATGAACCTGGCATTTAGAGATGCTTAA 1209

Db 1196 TGGCGGCTGCGAGTAAAGTGAATATGAAGAAAGAAAGAAACCGGGTGTGATGACCGTTGA 1255

Qy 1210 ATGCTACACGTGACCGCTGTGAAGAGATGCTGTGTGTGTGTGTGAACAGACTTATTA 1269

Db 1256 GCGGCACTTAAGCGCGGCTTTAAAGAGCATTTGTGATGTGTGTGTGTGTGTGTGTGT 1315

Qy 1270 CGGTTATTGAAAATAATACAGACTCTTGAAGCTTGAAGCGCATGATCTACTGACGTACA 1329

Db 1316 GCGCGGCTCAAAAAGT--GCATTTAAATTGTCACGATGTGTAAGAAAGTGGCTTATGAAA 1372

Qy 1330 TTGTGCTTGTGCTCTAGACAGACGCTGTACGTCAAAATTCCTTTAAATGCTGGTACAG 1389

Db 1373 TATCATATGCCCCGCACTTAAAGCCCCCTTAAGTCTAAATCCCTATCAACCGATGGTTATGATG 1432

Qy 1390 GCTCCGTAAGTTATTACAAAGTTGAAAACACGCCCTTGACAGAAACAGATTAATGCTGCA 1449

Db 1433 GCGGTGTGTGTCGTGATGATGATGAAAGAAACAGAAAGCGCATTTGTGTTTAAAGCTAC 1492

Qy 1450 CAGGTGATGCGGTTATATGATTAATAACAGAAATCATATCAACCTGCTCAATGTAACAGAT 1509

Db 1493 ATGCGCATGTGTGATGTATGTTTAAAGAGCATATTATGACCCCTTAAAGTGAAGAA 1552

Qy 1510 CAGCGCTTCAAAATCAGACTCTGTGTAGCTATTTATTTGACAAACAGAAAGCATTTGTG 1569

Db 1553 TCGCTTCAAAAATTCGAGTTTGTGTTTCAACCTTCGTTTAAACACAGAAAGCCACCGT-- 1610

Qy 1570 GTATTAACTGTAACAGACGCGCCAGCGAGCATGTCAGACAGATGTGATGCCAGAA 1629

Db 1611 -GCATGAATCAAAAAGAAAGAAAGCAGCTCCGCGAATGCCCTATATGTGGTGTGATGGCG 1669

Qy 1630 TGATGCGTGGATGGCGCG 1648

Db 1670 GTATGAGAGCATGGCGCG 1688

RESULT 8

US-08-466-662-7

Sequence 7, Application US/08466662B

Patent No. 6130059

GENERAL INFORMATION:

APPLICANT: Covacci, Antonello

APPLICANT: Bugnoli, Massimo

APPLICANT: Telford, John

APPLICANT: Macchia, Giovanni

APPLICANT: Rappelli, Rino

TITLE OF INVENTION: Helicobacter Pylori Proteins Useful For Vaccines And

FILE REFERENCE: CHIR0057

CURRENT APPLICATION NUMBER: US/08/466,662B

CURRENT FILING DATE: 1995-06-06

NUMBER OF SEQ ID NOS: 8

SOFTWARE: Patent In Ver. 2.1

SEQ ID NO 7

LENGTH: 1838

TYPE: DNA

ORGANISM: Helicobacter pylori

US-08-466-662-7

Query Match 31.8%; Score 528.6; DB 3; Length 1838;

Best Local Similarity 58.9%; Pred. No. 4,7e-146;

Matches 966; Conservative 0; Mismatches 664; Indels 9; Gaps 3;

Db 56 AATATGGCAAAAGAAATCAATTTTCAGCAGATGTGCGGTGCTGCCATGCTGTGCGGAGATTG 72

56 AATATGGCAAAAGAAATCAATTTTCAGATGATGTGCGAAGAAACCTTTTATTGGAAGCGCTGA 115

OY	73	ATATGTACACATATCCGCTAAAGTAACGCTTGCTTAAAGGCGCAATGTTCTTG	132
Db	116	GGCAATCCATAGCGCTGTCAAAAGTAACCATGSGGCCAAGAGCGCAAGATTTGATCC	175
OY	133	AAAABCCCTTGCTGTTCCCTTAATTACTAATGACGGGTAAACATTGCTAAAGAGATCG	192
Db	176	AAAAAGCTATGGCGCTTCCCAAGCATCCCAAAGACGGGTGAGTGGCTTAAAGAGATTG	235
OY	193	AATTAGACATCATTTTGA AAAACATGGGAGCAAAATTTGGTGTCTGAAGTGGCTTTAAA	252
Db	236	AAATTAAGTTGCCAGTAGTACATACATGGCCGCTCAACCTGTTAAGAAAGTAGAGACAAA	295
OY	253	CCAAATATATTGCTGCGATGGGAGAGCTACTGCAACATTTTGTAGACAAAGCATGTTTC	312
Db	296	CCCTCATCTGCGGGATGGAGCAGACACAGCAGACGGTGTAGCTTAATACATTTTAA	355
OY	313	ATGAGAGACTTAAAAATGTGACAGGAGGTGTATGCCAATTGGTATCCCGTAGGACATG	372
Db	356	AAGAGGTTTGAGGAATATACCGCTGGGGCTAACCTTTTGAAGTAACAGAGCATAG	415
OY	373	AAACACCAACAGCAACAGCTGTTGAAGCTTTGAAGCCATTGCTACACCTGTAATCGCA	432
Db	416	ATTAACCTGCTGAAGGCAATCATTAATGAGCTTAAAAACGACGAAAAAGTAGGCGGTA	475
OY	433	AGGAGCTATTGCTCAGGTGCTGTGCATATCATCACGCTC--TGAAAAAGTTGGAGAGT	489
Db	476	AAAGAAATACCCAAAGGCGGAGCAATTTCTCAAACTCCGATCAACATATCGGGAAC	535
OY	490	ATATCTCAGAAAGCTATGAGAGCTGTGGGCAACATGATGATATACCATCGAAGATCTC	549
Db	536	TCATCCCTGAGCGATATGAAAAAGTGGGTAAACACGGGTATACCGTTGAGGAAGTA	595
OY	550	GAGCTTGGAAACGAAGCTGAAGTGGTAAAGCATGCAATTTGGACCGGTATACCTGT	609
Db	596	AGGGCATTTGAAGATGAAATTTGATGTCTGAAGAGCATGCAATTTGATAGCTACCTCT	655
OY	610	CTCAATACATGCTCACAGCATGAAAAATGGTTGCAGACCTTGAAAAACCATTAATCT	669
Db	656	CCCTTATTATTGTGAAGCAACGCTGAAAAATGACCGCTCAATTGGAATATGTTACATCC	715
OY	670	TAAATCGAGATAAAAAAGTGTCAAACTCCAGACATTTTCCCACTACTTGAAGAGATTC	729
Db	716	TTTTAACGGATTA AAAAATCTGTACATGAAGACATTTCTCCGCTACGAAAAACA	775
OY	730	TTTAAACCAACCGCATTAATCTATTTTCAGATGATGATGATGGTGAAGAGACTCCAA	789
Db	776	TGAAAAGAGGCAAAACGGCTTTAATCATCTGTGAAGACATGAGGGCGAAGTTTAAACA	835
OY	790	CCCTGTCTCACAGAGATTCTGTGTTACTTCAATGGTGGTTCGTGCAAGGCGCAGAT	849
Db	836	CTCTAGTGTGTAATTAATTAGAGGCGTGTGAATATGCGACGGTTTAAAGTCCABGCT	895
OY	850	TGGTGATACGTCGTAAGAGTATGCTTAAAGACATTGCTATCTTGACAGGTGTACAGTA	909
Db	896	TTGGGACAGAAAGAAAGATGCTCAAGACATGCGATTATTTACCGGCGGTAAATCTA	955
OY	910	TTTACAGAGATCTAGCACTTGAAATTAAGAGTCTACATAGCAGCCCTTGACAGACCTG	969
Db	956	TTAGGAAAGATTGGGCTTGAGTGTACAAAACGCTGAAGGTGGAGTTTATAGCAAACTG	1015
OY	970	CTAAGATTAACGTTGATTAAGTATAGCAACAGTAATTTGTTGAAGCTTACAGAGTTCCAG	1022
Db	1016	GAGAGATTGTGATTGCAAAAGCAACACCCAGCATGCTGATGAGCAAGGCCATGAGATG	1072
OY	1030	CTATTGCTAACCCGATTTGACGAGATTAAATCCGATTTGGAACAAACAATCTTACACTTG	1088
Db	1076	ATGTTAAAGACAGAGTCCGGCAGATCAAAAACCAATATGCAATACAGCAAGCATTTATG	1133
OY	1090	ACCGTGAAAAACATAAGAAAGATTGGCGCAATTAAGCTGTGGTGTAGCTGTTATCAAG	1148
Db	1136	ACAAAGAAAAATTGCAAGAAAGATTGGCTTAACTCTGTGGCGGTGTGGCTGTGTTAAAG	1195

QY	1150	TAGGAGCTCCAAACGAGACAGCTTTAAATAAATAAATCCATTCGATTGAGATGCTCTAA	1209
Db	1196	TGGGCGCTCGCAGTAGAAAGTGAAATGAAGAAAGAAAAAGACGGGCGATGACGCTTGA	1255
QY	1210	ATGCTACACGTGACAGCCGTTGTAAGAGAGTATGCTGTTGGTGGTGGACACAGCATTAATTA	1266
Db	1256	GCCGCGACTAAAGCCCGCGTTGTAAGAGAGCATTTGATGTTGGTGGGTGGCTGCTATTTC	1315
QY	1270	CGGTTATTGAAAAAGTAGCAGCTCTGATGCTTGAGGCGGAGTATGCTACAGACGTAAACA	1328
Db	1316	GCGCGGCTCAAAAAAGT---GCATTGAATTTGACAGATGATGAAGAAAGTGGGCGATGTGAAA	1372A
QY	1330	TTGTGCTTGTCGCTCCAGAAAGCGCTGCAACCAATTCGTTTAAATCTCTGGGTACGAAG	1388
Db	1373	TGATCATCGCGGCATTAAGACCCCATTAAGCTCAATTCGCTATCAACGCTGGTATGATG	1432
QY	1390	GCCTCGTACTGTTATTTGCAAGTTGAAAAACGCCCTGCAGAACAGAGTTTATGCTGCAA	1449B
Db	1433	GCGGTGTGCTGTGTAATGAATGAATAAATAACAGAAAGGCAATTTGGTTTAAAGCTTAGCA	1492A
QY	1450	CAGGTGACTGGGTTGATATGATTAAACAGAAATCATTGACCTGTCAAAGTAAACGAT	1509
Db	1493	ATGCGAATGATATGATGATATGTTTAAATAAAGGATATTTAGACCCCTTAAATAATGAAAGGA	1552A
QY	1510	CAGCGCTTCAAAAATGACGTTCTCTGTAGCTATGTTCTTATTTTGCACACAGAACGATGTTTG	1569
Db	1553	TGCGTCTCAAAAATATGGGATTTGCGTTTCAAGCGCTCTTTTAAACACACAAACCCAGCT--	1610
QY	1570	CTAATAAACCTGAACCGTACGCGCAAGCCGACGAAATGCCAGCAGGATATGGATTCAGAA	1629
Db	1611	-GCATGAATAATCAAGAAAGAAACGACATCCGGCAATGCTGTATGGTGGCATGGGCGC	1669
QY	1630	TCATGGGTGGGATGGGCGG	1648
Db	1670	GTATGGAGGATGGGCGG	1688

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RESULT 9
US-08-256-847C-6
Sequence 6, Application US/08256847C
Patent No. 6403099
GENERAL INFORMATION:
APPLICANT: Rappunli, Rino
APPLICANT: Costantino, Paolo
APPLICANT: No. 6403099e111, Princesco
TITLE OF INVENTION: Conjugates Formed From Heat Shock Proteins And Oligo or Poly
FILE REFERENCE: CHR-0042
CURRENT APPLICATION NUMBER: US/08/256,847C
PRIOR FILING DATE: 1994-11-03
PRIOR APPLICATION NUMBER: PCT/EP93/00516
PRIOR FILING DATE: 1993-03-08
PRIOR APPLICATION NUMBER: FI29A000058
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
LENGTH: 1838
TYPE: DNA
ORGANISM: H. pylori
FEATURE:
NAME/KEY: CDS
LOCATION: (38)..(1695)
OTHER INFORMATION:
US-08-256-847C-6

Query Match.
31.8%; Score 528.6; DB 4; Length 1838;
Best Local Similarity 58.9%; Pred. No. 4,7e-146;
Matches 966; Conservative 0; Mismatches 664; Indels 9; Gaps 3;

13 ATATGCGCAAAAGAAATCAATTTTTCAGCAATCGCGCTGCTGCCATGCGCGGAGTTG 72
db 56 AAATGCCCAAGAGAAATCAATTTTTCAGATGTCGCGGAAGACCTTTATTTTAAATGCGGTA 115

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QY 73 ATATGTAGACATACCTCAAGTACGCTTGGTCTCTAAAGGCGCATGTTGTTCTTG 132
 DB 116 GCGAAGCTCAGTACGCTCTCAAGTACCATGCGGCGCAAGAGGAGATGATGATCC 175
 QY 133 AAAAAGCTTTGGTCTCCCTTAATTACTAATGCGGGGTAACCTGTTGTAAGAGATCG 192
 DB 176 AAAAAGCTATGGCTCCCAAGCATCACCAGAGCGCGTGAAGCTGCTTAAGAGATG 235
 QY 193 AATTAGAAATCTTTTGAAGAGTGGAGCAAAATGGTGTCTGAATGGCTTCAAAA 252
 DB 236 AATTAGTGTCCGATAGCTAATGAGGCTCAACCTGTTAAAGATAGCAGCAAAA 295
 QY 253 GCATGATATGCTGTGATGGAGGACACTGACAGATGTTTGAACAGCATTTGTC 312
 DB 296 CCGGTATGTCGCGGCGGATGCGACACAGCGGCTGAGCTTGAATGATTTTA 355
 QY 313 ATGAAGACATAAAATGTGACAGAGTCTAATCCAAATGGTATCCGTCGAGCATTG 372
 DB 356 AAGAAAGTTGAGAAATATCAAGCGTGGGGTAAACCTTAAAGTAAAGAGCATAG 415
 QY 373 AAACAGCAACAGCAACAGCTTTGAAGCCTTGAAGCCTTCAACCTGATCTGCA 432
 DB 416 ATAAAGCTCTGAACCGATTAATGAGCTTAAAGAGCAGAGCAAAAGATAGCGGTA 475
 QY 433 AGAAGCTATTGCTCAGGTGCTGAGTATCATCAGCTC--TGAAAAGTTGGAGAGT 489
 DB 476 AAGAAAGTATCAACCAAGTGGCGACATTTCTGCAAACTCGCATCAATATCGGGAAC 535
 QY 490 ATATCTAGAAAGCTATGAGAGCTGTGGGCAACGATGTGTATTAACATGAGAAATCTC 549
 DB 536 TCATCCGCTAGCTATGGAAGAGTGGGTAAAGCGCGCTGATACCGCTTGAGAGAGTA 595
 QY 550 GAGGTATGAAAGCAACTGGAAGTGTGAAGGCTATGAATTTGACCGTGTACTGT 609
 DB 596 AGGCAATTAAGATGAATTTGATGTCTAGAGAGTGAATTTGATGATGATGATGCTCT 655
 QY 610 CTCATATCTGTGACAGCATGAAAGATGTTGTCAGACCTTGAAGACCATTAATCT 669
 DB 656 CCGCTTATTTTGTATGACAGAGCTGAGAAAGTACCGCTCAATATGATGTTCAATCC 715
 QY 670 TAAATCAGGATAAAAGTGTCAAAATCCAGATTTTGCACACTTGAAGAGATTC 729
 DB 716 TTTTAAAGGATAAAATATCTCTACAGTAAAGATCTCCCGCTACTGAGAAAACCA 775
 QY 730 TTAAGCAACCGTCACTTACTATTTATGACAGATGATGATGATGAGCACTTCA 789
 DB 776 TGAAGAGGCAACCGCTTTTAAATCATCGCTGAGACATTTGAGGCGAAGCTTAA 835
 QY 790 CCGTGTCTGTAACAGATTCGTGTACTTTCAATGTGTGTGTGTCAGAGGCGAGAT 849
 DB 836 CTCTAGTGTGAATTAATTAAGAGCGGTGAATATGCAAGCGTTAAAGCTCCAGCT 895
 QY 850 TTGATGATGCTGTAAGAGTATGTAAGATTCATGATGATGATGATGATGATGATG 909
 DB 896 TTGGGACAG 955
 QY 910 TTACAGAGATCTAGACATTTGAATTAAGATGCTAATGACAGAGCTTGGACAGCTG 969
 DB 956 TTAGGAGAGATTTGGCTTGAAGTCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1015
 QY 970 CTAAAGTATGAGTGAATTAAGATGACAGATATTGTTGAAGTTCAGAGATTCAGAG 1029
 DB 1016 GAAGAGTGTGATGAG 1075
 QY 1030 CTATGCTAACCGTATGCTAGATTAATTCGCAATTTGAAGAGAGAGAGAGAGAGAG 1089
 DB 1076 ATGTTAAAG 1135
 QY 1090 ACCGTGAAG 1149
 DB 1136 ACAAG 1195
 QY 1150 TAGAGAGTCCAG 1209

DB 1196 TGGCGGCTGCGATGAGTGAATGAAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1255
 QY 1210 ATGCTACAGCTGCAAGCGCTTGAAGAGAGATTCGTTGCTGTGAGACACACTATTA 1269
 DB 1256 GCGGAGTGAAG 1315
 QY 1270 CCGTATTGAAAAGTGAAG 1329
 DB 1316 GCGGAGTGAAG 1372
 QY 1330 TTGTCCTGCTGCTAG 1389
 DB 1373 TCATCATGCGCGCATTAAG 1432
 QY 1390 GCTCCGATGATTGAG 1449
 DB 1433 GCGGATGCTGCTAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1492
 QY 1450 CAGGTGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1509
 DB 1493 ATGCGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1552
 QY 1510 CAGGCTTCAAAATGAG 1569
 DB 1553 TCGCTTCAAAATGAG 1610
 QY 1570 CTAAATACCTGAACAG 1629
 DB 1611 -GCATGAATCAAAAG 1669
 QY 1630 TGATGGTGGATGGGCGG 1648
 DB 1670 GTATGGAGGAG 1688

RESULT 10
 US-08-467-822-28
 ; Sequence 28, Application US/08467822
 ; Patent No. 5843460
 ; GENERAL INFORMATION:
 ; APPLICANT: Labigne, Agnes
 ; APPLICANT: Sauerbaum, Sebastien
 ; APPLICANT: Ferrero, Richard L.
 ; APPLICANT: Thibierge, Jean-Michel
 ; TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
 ; TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
 ; TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Finnegan, Henderson, Farbow, Garrett &
 ; ADDRESS: Dunnet
 ; STREET: 1300 I Street, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20005-3315
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patenlin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/467,822
 ; FILING DATE: 06-JUN-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/447,177
 ; FILING DATE: 19-MAY-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/432,697

Wed Apr 16 08:05:36 2003

us-09-001-737-7.rni

Page 11

FILING DATE: 02-MAY-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Meyers, Kenneth J.
 REGISTRATION NUMBER: 25,146
 REFERENCE/DOCKET NUMBER: 03495, 0137-02000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 408-4000
 TELEFAX: (202) 408-4400
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2284 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 OS-08-467-822-28

TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
 NUMBER OF SEQUENCES: 44
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Flinnegan, Henderson, Farabow, Garrett &
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005-3115
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/432,697
 FILING DATE: 02-MAY-1995
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Meyers, Kenneth J.
 REGISTRATION NUMBER: 25,146
 REFERENCE/DOCKET NUMBER: 03495, 0137-00000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 408-4000
 TELEFAX: (202) 408-4400
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2884 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-432-697-28

Query Match 29 98: Score 486.6; DB 4: Length 2284;
 Best Local Similarity 58.18; Pred. No. 1.5e-136;
 Matches 953; Conservative 0; Mismatches 674; Indels 12; Gaps 4;

13 ATATGGCAAGAAATCAATTTTTCAGCAGATGCGCGTCCATGTCGCGGAGTTG 72
 504 AATGGCAAGAAATCAATTTTTCAGCAGATGCGCGTCCATGTCGCGGAGTTG 563
 73 ATATGGCAAGAAATCAATTTTTCAGCAGATGCGCGTCCATGTCGCGGAGTTG 132
 564 GACAACTTCATGAGCTGCTCAAGTACATGCGGAGTACGATGCGGAGTTG 623
 133 AAAAGCTTTGTTCTCCCTTAATTAATGACGAGGTAACCATGCTAAAGAGATCG 192
 624 AAAAGCTTTGTTCTCCCTTAATTAATGACGAGGTAACCATGCTAAAGAGATCG 683
 193 AATTAAGATCAATTTTGAAGATGAGCAAAATGCTGCTGAATGCTTTGATAA 252
 684 AATTAAGATCAATTTTGAAGATGAGCAAAATGCTGCTGAATGCTTTGATAA 743
 253 CCAAGATTTGCTGCTGATGAGCACTACGACAGATTTGACACAGCATTTGTTG 312
 744 CCGCTGATGCGCGGAGTGGACGACGACGACGCGTGGCTTATGCAATTTTGA 803
 313 ATGAAGACTTAATAATGACAGCAGGCTTAATCAATTTGATTCGTCGAGGATG 372
 804 AAGAGGCTTGAAGATTAATGACGAGGCTTAATCAATTTGATTCGTCGAGGATG 863
 373 AAGAGGCTTGAAGATTAATGACGAGGCTTAATCAATTTGATTCGTCGAGGATG 432
 864 AAGAGGCTTGAAGATTAATGACGAGGCTTAATCAATTTGATTCGTCGAGGATG 923
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 490 ATATCTGAAGAGTATGAGGCTTGAAGATTAATGACGAGGCTTAATCAATTTGATTCGTCGAGGATG 549

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QY	123	AAAAAGTTTTGGTTCCTCCCTTAATTAATGACGGGGTAACCAATTGGCTAAAGAAAGATG	192
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Db	744	CCGCTATCCCGCGGGAGTAGGACGACCAACAGCGACCGTGTGGCTTAATAGCATTTT	803
QY	313	ATGAGGACTAAAAAATGTGACAGCAGGTGCTATCAATTGGTATCCGTGAGGCAATTG	372
Db	804	AAGGGGCTTGGAGAAATACGGCGTGGGCTAACCCATTGAAGTAAACAGACGATCG	863
QY	373	AAACACACAGCAACAGCTGTGTAAGGCTTGAAGCCATTGTCACCAACGTAATCGCA	432
Db	864	ATAAACGCGCTGAAGCGATCATTAATGAGCTTAAAAAAGCAGCAAAAAAGTGGCGGTA	923
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QY	550	GAGGTATGAAACAGAACTTGAAGTGTGTAAAGCATCATTTGACCGTGTACCTGA	609
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QY	610	CTCAATACATGTGTACAGACATGAAAAATGGTTGGACCTGAAACCAACCATTTATC	669
Db	1104	CCCCCTACTTTGTACCAACCGTGAAGAAATGACCGCTCATTTGGATTAACGCTTACATC	1166
QY	670	TAAATCAGGATAAAAAAGTGTAAACATCCAGACATTTTGGCACACTTGAAGAGTTC	729
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Db	1224	TGAAGAGGCAAAACCGCTTTTAATCATCCGTAAGAACATTGAGGGCGAAGCTTTAACG	1283
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Db	1284	CTCTAGTGTGTAATAATTAAATGAGAGCGGTGTGTAATATGCGAGGTTAAAGTCCAGGCT	1343
QY	850	TTGGAGATCGCGTAAGAGTATGCTTCAAGACATTGTCATCTGAGAGTGTACAGTGA	909
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QY	970	CTAAGATTAAGCTGTAATAAGATAGCAACGTAATTGTGGAAGTTCCAGAAAGTTCAAG	1029
Db	1461	CGAATATTGTAATTGCAAAACACACACACATCTGATAGTGCAAAAGGCGATAGCCATG	1520
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D	552	GAGGCGCTGGCGAACGTCGGCGCGCGCGCCACACCGCTCGTCTCAAGGGGATGGA	611
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O	435	GAGCTATTGCTCAGGTCGCTGACGATATCATCAGCTCTGMAAAATTGGAGAGTATATC	494
D	672	GAGCAGATTTGCGGCGACCGCGACGATTTGGGGGGGTGACCAATCCATGGGTGACTATTC	731
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D	732	GCGGAGCGGATGTGACAAAGTGGGCACAGAGGGCGTCAATCACTCGAGAGTCCAAACAC	791
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O	615	TGCAATGCTCACAGCAATGAAAAAATGTTGACAGCTTGAATAAACCATTTATCTTAATC	674
D	852	TACCTTGGTACGACACCCCGGAGCGTCAGAGGGGGTCTGAGAGAACCCCTCATCTCTGTCG	911
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D	912	GTCAGCTCCAAAGGTGTCCACATGTCAGAGATCTGCGCGCTGCTGCAAGAGTATTCGGA	971
O	735	ACCAACGCTCATTTACTCATTTATGAGATGTATGATGTATGATGATCTTCACACCTT	794
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O	855	GATCGTGTAAAGCTATGCTTGAAGACATGCTATCTTGCAGAGTGTGACAGTATTAACA	914
D	1092	GACGCGCCGACAGCATCTGTCAGATATGGCCATCTCAACGGGTGTGACAGTATTAAC	1151
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D	1152	GAAAGAGTCCGGCTACGCTGTGAGAACGCCGACCTGTCTGTAGGCAAGGCCCGAAG	1211
O	975	ATTACAGTTATTAAGATAGCAGACGTAATTTGTCAAGGTTCAAGAAAGTTTGAAGCATTT	1034
D	1212	GTCTGTGTACCAAGAGACGAAACACCATTCGTGCGGGGCGGGGTGACACCGACCGCATTC	1271
O	1035	GCTTAACGCTATTGCACTGATTAATATGCAATTAAGAAACAACAATTCGTGACTTTGACCGT	1094
D	1272	GCGGAGAGAGTGGCCCAATCCGCAAGAGATTCAGAACACGCACTCCGATCTAGACCGT	1331
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D	1332	GAGAAAGTGTGAGAGACGGCTGGCCAAAGCTGGCGCGGTGTGTGCGGTATCAGGCCGT	1391
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D	1392	GCGCCACCGAGGTGAACTACAGAGGCGCAAGACCGCATCGAGAGATGCGTTGCCAAT	1451
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D	1453	GCCAAAGCCCGGTGAGAGAGGCATCGTCCGCGGTGGGGGTGTACCGCTTGTGCAAGG	1511
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O	1335	CTTGCTGTCTCTGAAGAGCCGTGACGTCAAAATGCTTTAAATGCTGGGTAGAGAGGCTTC	1394

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Db 1572 AAGTGGGCGTGGAGGCGCCGCTGAAGCAGATCGCTTCAACTCCGGGCTGAGCCGGC 1631
QY 1395 GTAGTTATGTGCAAGTTGAAACAGCCCTGCGAGCAGACAGATTATATGCTGCAACAGT 1454
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QY 1455 GAGTGGGTTGATATGATTTAAACGAAATCATGACCCCTGCAAGTAACAGATGAGCG 1514
Db 1692 GTCTACGAGATCTGCTGCTGCGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1751
QY 1515 GTTCAAAATGACAGTCTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1574
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QY 1575 AAGCTGAA 1593
Db 1812 AAGCGGAA 1820

RESULT 14
US-09-103-840A-2
Sequence 2, Application US/09103840A
Patent No. 6294328
GENERAL INFORMATION:
APPLICANT: FLEISCHMAN, Robert D.
APPLICANT: WHITE, Owen R.
APPLICANT: FRASER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
FILE REFERENCE: 2436-2007.00
CURRENT FILING DATE: US/09/103.840A
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 4403765
TYPE: DNA
ORGANISM: Mycobacterium tuberculosis
FEATURE:
OTHER INFORMATION: CDC 1551
OTHER INFORMATION: "n" bases at various positions throughout the sequence
OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 27.6%; Score 458.6; DB 4; Length 4403765;
Best Local Similarity 55.8%; Pct. No. 1.6e-123;
Matches 875; Conservative 0; Mismatches 694; Indels 0; Gaps 0;
QY 15 ATGGCAAAAGAAATCAATTTTCAGCAAGATGCGGCTGCTGCCATGCTGCGGAGTTGAT 74
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QY 255 AATGATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 530347
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QY 375 ACAGCAACAGCAACAGCTGTGTAAGCCTTGAAGCAATTCGTCACCTGTATCTGCGAG 434
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QY 495 TCAGAGCTATGAGCGCTGAGGAGATGAGTGTGATGATGATGATGATGATGATGATGATGATG 554
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QY 1215 ACAGCTGACCGCTTGAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1274
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QY 1395 GTAGTTATGTAAGATGAAAGAGCCTGAGAGAGCAAGATTAATGCTGCAACAGT 1454
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Search completed: April 15, 2003, 05:53:58
Job time : 5637.45 secs

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